

Thermosash 
BUILDING ENVELOPE SOLUTIONS™

SCHÜCO
PARTNER

Windows, doors and
sliding doors from Schüco





A technological leader in innovative window and door solutions

Schüco is one of the world's leading suppliers of innovative window, door and sliding door solutions made from aluminium. Schüco product developments are used all over the world and meet the highest requirements in terms of design, comfort, security and energy efficiency.

Head quartered in Germany, with 6330 employees worldwide and a global network of fabricators, architects and developers, the company is always setting new standards. Attractive yet energy efficient. Responsible yet visionary.

Schüco creates new perspectives for the buildings of tomorrow. From family homes to office buildings, from schools to modern clinics. The focus is always on people and their individual requirements.

DESIGN

COMFORT

SECURITY

ENERGY EFFICIENCY

Quality living -
with windows, doors and
sliding doors from Schüco

Get on board. Indulge yourself.
Be protected. Feel at home with Schüco.

Schüco has been developing innovative technologies for modern living and working environments and meeting the highest requirements in terms of design, comfort, security and energy efficiency for over 65 years. Large-format windows and sliding doors enable unique design solutions which remove the boundaries between the inside and outside. Intelligent ventilation

systems ensure a comfortable flow of fresh air, day and night. Comprehensive security concepts can be individually adapted to your requirements, and all components connected to one another intelligently. Unparalleled thermal insulation also makes passive house certification possible, lowering energy costs in the process. Feel at home with Schüco.



DESIGN

A glorious
outlook for
the new day.

Bright rooms flooded with light. A spectacular view outside. Schüco offers design concepts that open up new perspectives, boundaries between indoors and outdoors simply fade away.

DESIGN

More than form and function -
a way of living. Maximum
design freedom included.



Large windows and sliding doors can completely change the effect of a room. They fill in with light and air, expanding it visually and opening it to the outside. They also seamlessly connect kitchens, living rooms and bedrooms with patios, gardens and balconies, freeing them from limitations of the interior. At the same time, windows and sliding doors from Schüco reliably protect against heat, cold, noise or break-ins. Attractive yet functional, durable yet energy efficient.

Discover a new way of living. **Thermosash is the Schüco Partner in New Zealand and will be happy to advise you.**

Design is of great importance to Schüco. Form and function go hand in hand when developing new products. For you, this means that even though Schüco has such a wide range of materials, colour variants or designs, one thing always remains the same: the high quality standard.

CAPTIVATING
TRANSPARENCY

With the **large-format sliding and folding sliding doors** from Schüco you have complete freedom and maximum transparency. This is ensured by the slim profiles that pave the way for our particularly robust and durable constructions.

IMPRESSIVE
VARIETY

Schüco makes it easy for you to bring your individual style to life. For example, with our universal range of feature handles for **windows, entrance doors and sliding doors**. Elegant, ergonomic and easy to operate.

OUTSTANDING
INSULATION

Modern aluminium **window and sliding door constructions** from Schüco have one thing in common: they are extremely energy efficient. Their design already achieves high thermal insulation values, these can be increased to passive house standard. For comfortable room climate and significantly reduced heating costs.



COMFORT

The new
simplicity
of being.

Comfort comes naturally with Schüco. Windows, doors and sliding doors offer comfortable and convenient living to suit individual lifestyles. Schüco offers pleasant insulated indoor living, and the design capability to maximise outdoor living space.

COMFORT

Intelligent technology to make you feel comfortable. For measurable efficiency and sustainable comfort.



Rooms that are pleasantly cool in the summer and comfortably warm in the winter. Centrally controlled doors, windows and sliding doors which open and close at the touch of a button. Shading units which automatically lower when the sun is shining, therefore saving energy. Innovative technologies from Schüco are as convenient as they are efficient, and are perfectly tailored to one another. This means that, step by step, your house can become an intelligent home.

Thermosash will be happy to advise on product solutions.

Well thought out: When it comes to comfort Schüco solutions not only intend to make your life more comfortable, but also more energy efficient. As one of the technological leaders for new builds and renovations, Schüco places the highest value on systems which can be controlled and networked intelligently. At the same time, you can easily reduce energy costs and protect the environment.

MODULAR
DOOR
SYSTEMS

Aluminium Schüco entrance doors fulfil high requirements in terms of design and thermal insulation. But that's not all. With the modular **Schüco Door Control System (DCS)**, you can individually configure your entrance door.

For example, with access control by means of fingerprint or a code keypad, with door communication via video and an intercom system, or with the DCS Touch Display, which can be operated like a smartphone by means of swiping with your finger.

Welcome to the world of Schüco.

AUTOMATIC
OPERATION OF
SLIDING DOORS

Large sliding and lift-and-slide doors increase comfort at home and can be moved effortlessly thanks to Schüco

With invisible automatic functions, a single push of a button is all it takes to be able to open or close units fully automatically and quietly. Integrated security with finger-trap protection included.

ELECTRIC
CONTROL FOR
WINDOWS

Schüco **TipTronic SimplySmart** with fully-integrated actuator sets new standards. This means that many functions can be regulated automatically or using a timer control via a smartphone or tablet, for example. From operating hard-to-reach windows and ventilation with heat recovery to central locking at the touch of a button.

INTELLIGENT
BUILDING
AUTOMATION

With highly efficient automation solutions from Schüco, functions such as solar shading, monitoring of opening and closing or ventilation can be controlled and regulated centrally. This means that the solar shading lowers when there is intense sunlight, the weather sensor closes open windows when it is cold, or the heating turns off when ventilating in winter. Saving energy has never been so easy.



SECURITY

Protecting your home.
protecting your
investment.

Innovative security technologies from Schüco offer automated systems for ease of living and peace of mind.

SECURITY

Protection you can depend on.
Reliable, perfectly formed and comfortable

Sleeping peacefully at night, enjoying your holiday without any worries, leaving the house without having to check every window beforehand. Schüco makes your life easier with security technologies that don't have to be seen. Tailored to your individual needs and requirements, and architecturally aesthetic, as is customary with Schüco.

Thermosash will be happy to advise you on the most suitable systems that can meet your security requirements.



Security is a basic need. This is why it has always been a central innovation topic for Schüco. Experts and engineers develop systems together which fulfil the highest requirements in terms of protection, comfort and design. Modular in design and freely configurable, so that you can relax.

BUILT-IN BURGLAR RESISTANCE FOR YOUR HOME

The concealed **Schüco AvanTec** automatic fitting gives complete freedom to design requirements, while also fulfilling high security requirements even in the basic design.

With the modular locking concept, the resistance class can be increased to RC3 - the highest security level for private homes.

ENTRANCE DOOR WITH AUTOMATIC LOCKING

The **Schüco SafeMatic** automatic lock activates four robust latch bolts as soon as the entrance door is closed. If the key is also turned, a fifth locking point is added.

For you, this means maximum security and the highest level of comfort.

MONITORING OF CLOSING FOR WINDOWS

Schüco **TipTronic SimplySmart** with fully-integrated actuator sets new standards. This means that many functions can be regulated automatically or using a timer control via a smartphone or tablet, for example. From operating hard-to-reach windows and ventilation with heat recovery to central locking at the touch of a button.

VENTILATION WHEN THE WINDOW IS CLOSED

Schüco VentoTherm is the window-integrated ventilation system with heat recovery that is as economical as it is convenient. Using sensors, it controls the exchange of inside air and fresh air from outside, without having to open the window. Optimum air quality day and night, with reduced energy consumption.



SYSTEMS

Schüco windows, doors and sliding doors

Schüco products offer sophisticated, proven system technology combined with versatility in terms of materials, design and application options.

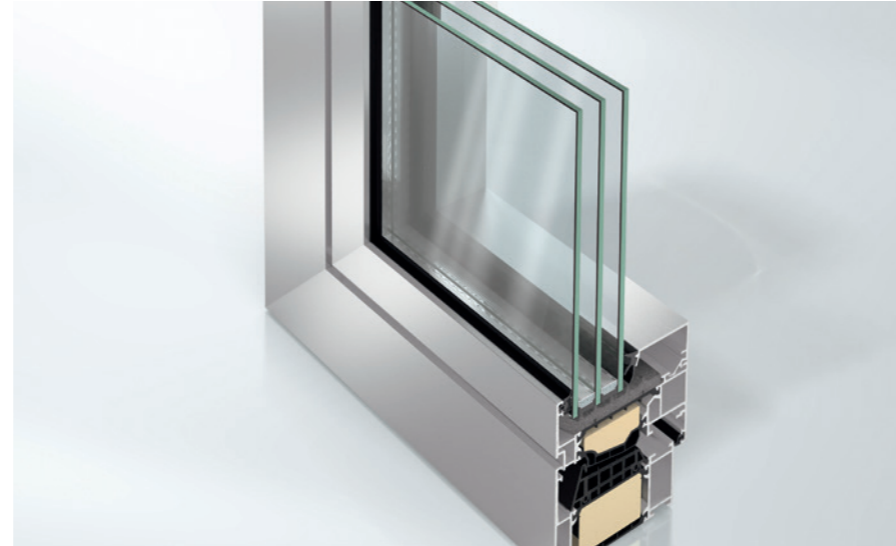
AWS 90

The aluminium window system with thermal insulation to passive house standard.

To complement the increasingly popular 90mm basic depth, Schüco is adding new window series with AWS 90.SI+ Green and 90 BS.SI+ versions.

The new Schüco AWS 90 BS.SI+ aluminium block window system features ground-breaking thermal insulation and allows diverse architectural designs of the highest quality to be created with a basic depth of just 90mm. With a U_f value of $1.2 \text{ W/(m}^2\text{K)}$ and a face width of 95mm, it achieves passive house standard. Narrow face widths also allow flush sightlines to be created with no visible window vents.

Furthermore, with the new AWS 90.SI+ Green generation of windows, Schüco is responding to the stricter guidelines and higher potential CO₂ savings for the building sector. Ground-breaking ecological materials are being used for this, such as castor oil in the polyamide insulating bars. This has allowed Schüco to become the first provider to offer an approved aluminium window suitable for series production, which contains significant proportions of renewable materials in the plastics, and to substitute raw fossil materials.



Schüco AWS 90.SI+

Highest levels of thermal insulation with a 90mm basic depth and U_f values from $0.71 \text{ W/(m}^2\text{K)}$.
Compatible with Schüco ADS 90 door series

ADS 65 HD

A classic timeless robust door design with slim face widths.

The Schüco ADS 65 HD (Heavy Duty), also available as oversize units for large architectural projects, creates a striking feature with its slim face width. It has particularly robust design and offers large opening widths for busy buildings. The basic depth of 65mm and the clearance height of up to 3000mm allow a wide range of applications and design options. This design perfectly co-ordinates with the Schüco window systems for an outstanding combination.



Schüco ADS 65 HD

Large opening widths and generous clearance heights of up to 3000mm, burglar resistance up to RC3 (WK3)

ASE 60/80

Modular and scalable profile system with outstanding thermal insulation.

The Schüco ASE 60/80 sliding system range sets new standards, with optimised insulation zones offering significantly improved thermal insulation properties in all basic depths, even up to passive house level (with basic depth of 80mm). Furthermore, all designs of the system - single, double and triple track - are based on multifunctional profiles, which allows optimal use of identical parts.

The fittings system, which is also modular, can be used as both sliding and lift-and-slide fittings, with a few exceptions. Narrow face widths and the option of level thresholds make the Schüco sliding system unique in terms of form, design and user comfort.



Schüco ASE 60/80

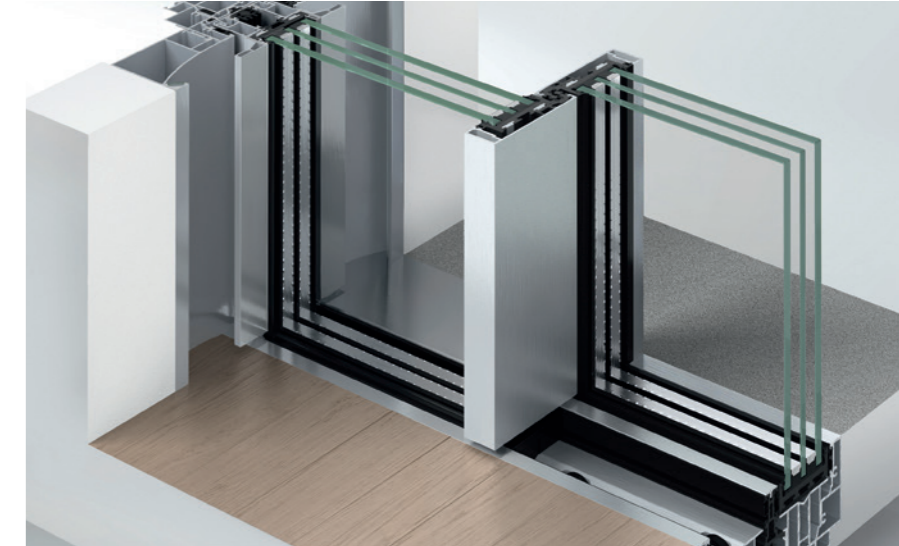
A sliding system range offering insulation, modular design flexibility and ease of use. The high quality components guarantee reliable and long-lasting system solutions.

AS PD 75.HI

Panorama Sliding System - multi-functionality and style in three new innovative product lines.

Schüco has developed a new Panorama Design sliding platform that offers three product lines: Access Line, Design Line and Performance Line. The Schüco AS PD 75.HI systems have design options for customisation, a flush fitted appearance, and in some cases a lift-and-slide technology allowing for a barrier free threshold when the sliding door is open and a frameless panorama view when the door is closed.

The sliding units can be operated fully automatically and contact-free via a tablet, smartphone or switch using the TipTronic locking system.



Schüco AS PD 75.HI recessed grip

Access Line focuses on convenience and easy operation whether manual or mechatronic.

Design Line and Performance Line ensure optimum views with a frameless appearance.



SYSTEMS

How to find your Schüco living solution.



Schüco's product range is extensive

Fully home automated suites - sliders / pivot doors / sashes

Large range of standard and thermally broken suites

Intruder and ballistic rated suites

Passive house certified suites

Fire rated aluminium suites

Slim sight-line suites

Thermosash Group have partnered with German company Schüco to extend our high-end residential range to include their high thermal performance and integrated automation solutions for window and door systems. All suites and brands that Thermosash Group offers, come with our reputation for being backed by local, in-house engineering, manufacturing and installation, ensuring you get not only a quality product but a continuation of our quality service.

Thermosash sets a high bar for all of its products; suites are analysed and engineered to suit New Zealand's dynamic environment and comply with New Zealand standards, and manufactured and supported locally by Thermosash's New Zealand wide business.

The systems featured in this brochure are a small portion of the whole of Schüco's extensive product range. Please visit the Thermosash website to view product ranges and further information on each system.
www.thermosash.co.nz/our-products/schueco/

Schüco International KG
www.schueco.com

www.schueco.de

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Schüco – System solutions for windows, doors and façades

Based in Bielefeld, the Schüco Group develops and sells system solutions for windows, doors and façades. With 6330 employees worldwide, the company strives to be the industry leader in terms of technology and service both now and in the future. In addition to innovative products for residential and commercial buildings, the building envelope specialist offers consultation and digital solutions for all phases of a building project – from the initial idea through to design, fabrication and installation. Schüco works with 10,000 fabricators and 30,000 architectural practices, as well as construction professionals who commission buildings around the world. Founded in 1951, the company is now active in more than 80 countries and achieved a turnover of 1.995 billion euros in 2021. For more information, visit www.schueco.com

Thermosash
BUILDING ENVELOPE SOLUTIONS™

SCHÜCO



SCHÜCO
PARTNER

PRODUCTS

CANOPIES
SHOPFRONT
RAINSCREENS
BALUSTRADES
THERMAL BREAK
DOORS & SLIDERS
CHANNEL GLAZING
MECHANICAL LOUVRES
ROOFLIGHTS & ATRIUMS
COMMERCIAL WINDOWS
SOLARSHADING, LOUVRES & FINS
TOTAL VISION - STRUCTURAL GLAZING
UNITISED CURTAINWALL & PANELWALL FAÇADES
SCHÜCO - HIGH END RESIDENTIAL WINDOWS & DOORS

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